^{64}Zn(d,d′),(pol d,d) 1965Li10,1977Pe07

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen	NDS 178, 41 (2021).	12-Nov-2021

1965Li10 (also 1962Jo05,1961Co07): (d,d′) E=15 MeV. FWHM=120 keV. Measured $\sigma(\theta)$.
1977Pe07: (pol d,d) E=29 MeV. Measured $\sigma(\theta)$ and vector-analyzing power.
Others (dealing mostly with optical-model parameters):
2011Le47: (pol d,d),E=22 MeV. Measured $\sigma(\theta)$ and Ay(θ), DWBA analysis.
1989BhZY: (pol d,d) E=14.4 MeV. Measured $\sigma(\theta)$ and Ay(θ).
1977Br27: (pol d,d) E=13 MeV. Measured $\sigma(\theta)$ and vector-analyzing power.
1977BiZQ: (d,d). Measured $\sigma(\theta)$.
1976Sh29: (d,d) E=13.6 MeV. Measured $\sigma(\theta)$.
1969Jo01: (d,d′) E=11.5, 11.8 MeV. Measured $\sigma(\theta)$.
1968Tj01: (d,d′) E=26 MeV. Natural Zn target. Measured $\sigma(\theta)$.
1968Al20: (d,d′) E=13 MeV.
1967Is05: (d,d′) E=13.6 MeV. Measured $\sigma(\theta)$.
1961Ja02: (d,d′) E=11.8 MeV.

^{64}Zn Levels

E(level)†	L‡	dσ/dΩ (mb/sr) (35°)†	Comments
0			
990	2	6.8	β_2=0.27 (1969Jo01). Other: 0.26 (1968Tj01).
1800		0.73	
1960		0.90	
2310		1.25	
3020	3	3.28	β_3=0.21 (1969Jo01).

† From 1965Li10.
‡ From 1969Jo01.